

# INTERNATIONAL SEARCH REPORT

PCT/GB2004/005350

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G02C7/04 G02B3/00 G02C7/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02C G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 619 799 B1 (BLUM RONALD D ET AL) 16 September 2003 (2003-09-16) column 10, line 31 - column 18, line 39	1-10
Y	US 4 601 545 A (KERN ET AL) 22 July 1986 (1986-07-22) claims 1,16	1-10
Y	US 5 712 721 A (LARGE ET AL) 27 January 1998 (1998-01-27) claim 1; figures 1-3	1-10
A	US 5 066 301 A (WILEY ET AL) 19 November 1991 (1991-11-19) the whole document	1-10



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

### \* Special categories of cited documents:

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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

24 March 2005

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PCT/GB2004/005350

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6619799	B1	16-09-2003	AU 777787 B2 28-10-2004
			BR 0012137 A 26-11-2002
			CA 2377935 A1 11-01-2001
			CN 1372650 A 02-10-2002
			EP 1206720 A1 22-05-2002
			EP 1411382 A2 21-04-2004
			JP 2003504665 T 04-02-2003
			MX PA01013461 A 04-09-2003
			US 2002140899 A1 03-10-2002
			US 2003231293 A1 18-12-2003
			US 2004051846 A1 18-03-2004
			US 2004056986 A1 25-03-2004
			US 2004027536 A1 12-02-2004
			US 2004084790 A1 06-05-2004
			US 2004156021 A1 12-08-2004
			AU 5900200 A 22-01-2001
			AU 5900300 A 22-01-2001
			AU 5900400 A 22-01-2001
			AU 6058700 A 22-01-2001
			WO 0102896 A1 11-01-2001
			WO 0101848 A1 11-01-2001
			WO 0102897 A1 11-01-2001
			WO 0102895 A1 11-01-2001
			US 2003058406 A1 27-03-2003
			US 6517203 B1 11-02-2003
			US 6491394 B1 10-12-2002
			US 6491391 B1 10-12-2002
			TW 567348 B 21-12-2003
			TW 567052 B 21-12-2003
			TW 594095 B 21-06-2004
			TW 460279 B 21-10-2001
US 4601545	A	22-07-1986	AU 4431085 A 13-12-1985
			CA 1223950 A1 07-07-1987
			EP 0181395 A1 21-05-1986
			JP 61502221 T 02-10-1986
			WO 8505466 A1 05-12-1985
US 5712721	A	27-01-1998	AU 6434594 A 24-10-1994
			CA 2159076 A1 13-10-1994
			DE 69421394 D1 02-12-1999
			DE 69421394 T2 10-02-2000
			EP 0693188 A1 24-01-1996
			EP 0918248 A2 26-05-1999
			ES 2139739 T3 16-02-2000
			WO 9423334 A1 13-10-1994
			JP 8508826 T 17-09-1996
US 5066301	A	19-11-1991	CA 2072635 A1 10-04-1992
			CN 1060595 A 29-04-1992
			EP 0507900 A1 14-10-1992
			JP 5502613 T 13-05-1993
			WO 9205750 A1 16-04-1992